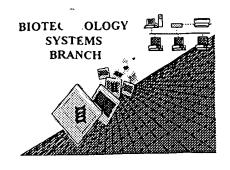
RAW SEQUENCE LISTING ERROR REPORT





The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	29/910,186
Source:	OIPE
Date Processed by STIC:	08 p6/200/

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

DATE: 08/06/2001

TIME: 15:39:04

OIPE

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 7 <130> FILE REFERENCE: A33626-A 067252.0107
 9 <140> CURRENT APPLICATION NUMBER: US/09/910,186
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9 <141> CURRENT FILING DATE: 2001-07-20
                                                              Corrected Diskette Needed
 9 <150> PRIOR APPLICATION NUMBER: PCT/US00/12890
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57 Ile Ile Asn Thr Ser Ile Leu Asn Leu Arg Tyr Glu Ser Asn His Leu
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60 atc gac ctg tct cgc tac gct tcc aaa atc aac atc ggt tct aaa gtt
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65 Asn Phe Asp Pro Ile Asp Lys Asn Gln Ile Gln Leu Phe Asn Leu Glu
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/910,186

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7			-1-	80					85		F		5	90		-1-	-1-	
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10)4 c	gc	tac	ato	: tgg	ato	aaa	tac	tto	aat	ctg	tto	gac	aaa	gaa	ctg	aac	675
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161	Asp	Gly	Trp	Gly	Glu	Arg	${\tt Pro}$	Leu	*						1		•
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Input Set : A:\A33626Aseqlist.txt

Output Set: N:\CRF3\08062001\I910186.raw

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218 Pro Asp Val Gly Asn Leu Ser Gln Val Val Wat Lys Ser Lys Asn
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220 Asp Gln Gly Ile Thr Asn Lys Cys Lys Met Asn Leu Gln Asp Asn Asn
                            375
222 Gly Asn Asp Ile Gly Phe Ile Gly Phe His Gln Phe Asn Asn Ile Ala
                        390
                                             395
224 Lys Leu Val Ala Ser Asn Trp Tyr Asn Arg Gln Ile Glu Arg Ser Ser
                    405
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226 Arg Thr Leu Gly Cys Ser Trp Glu Phe Ile Pro Val Asp Asp Gly Trp
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228 Gly Glu Arg Pro Leu
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233 <211> LENGTH: 1323
234 <212> TYPE: DNA
235 <213> ORGANISM: Synthetic Construct
237 <220> FEATURE:
240 <221> NAME/KEY: CDS
241 <222> LOCATION: (13)...(1314)
242 <223> OTHER INFORMATION: Synthetic Construct
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247
249 acc tcc atc ctg aac ctg cgc tac gaa tcc aat cac ctg atc gac ctg
250 Thr Ser Ile Leu Asn Leu Arg Tyr Glu Ser Asn His Leu Ile Asp Leu
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Input Set : A:\A33626Aseqlist.txt

Output Set: N:\CRF3\08062001\1910186.raw

251		15					20					25					
	tct	cgc	tac	gct	tcc	aaa	atc	aac	atc	qqt	tct		qtt	aac	ttc	gat	147
		-		-		Lys							-			_	
255	30	_	_	·		35				•	40	-				45	
257	ccg	atc	gac	aag	aat	cag	atc	cag	ctg	ttc	aat	ctg	gaa	tct	tcc	aaa	195
						Gln											
259			_	_	50					55					60	-	
261	atc	gaa	gtt	atc	ctg	aag	aat	gct	atc	gta	tac	aac	tct	atg	tac	gaa	243.
						Lys											
263				65					70					75	_		
265	aac	ttc	tcc	acc	tcc	ttc	tgg	atc	cgt	atc	ccg	aaa	tac	ttc	aac	tcc	291
266	Asn	Phe	Ser	Thr	Ser	Phe	Trp	Ile	Arg	Ile	Pro	Lys	Tyr	Phe	Asn	Ser	
267			80					85					90				
269	atc	tct	ctg	aac	aat	gaa	tac	acc	atc	atc	aac	tgc	atg	gaa	aac	aat	339
270	Ile	Ser	Leu	Asn	Asn	Glu	Tyr	Thr	Ile	Ile	Asn	Cys	Met	Glu	Asn	Asn	
271		95					100					105					
273	tct	ggt	tgg	aaa	gta	tct	ctg	aac	tac	ggt	gaa	atc	atc	tgg	act	ctg	387
274	Ser	Gly	Trp	Lys	Val	Ser	Leu	Asn	Tyr	Gly	Glu	Ile	Ile	Trp	Thr	Leu	
275	110					115					120					125	
277	cag	gac	act	cag	gaa	atc	aaa	cag	cgt	gtt	gta	ttc	aaa	tac	tct	cag	435
278	Gln	Asp	Thr	Gln	Glu	Ile	Lys	Gln	Arg	Val	Val	Phe	Lys	Tyr	Ser	Gln	
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281	atg	atc	aac	atc	tct	gac	tac	atc	aat	cgc	tgg	atc	ttc	gtt	acc	atc	483
282	Met	Ile	Asn	Ile	Ser	Asp	Tyr	Ile	Asn	Arg	Trp	Ile	Phe	Val	Thr	Ile	
283				145					150			•		155			
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291		175					180					185					
			-			ctg	_		_	_	-			_			627
		Ile	Met	Phe	Lys	Leu	Asp	Gly	Cys	Arg	_	Thr	His	Arg	Tyr		
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	Trp	тте	rys	Tyr		Asn	Leu	Pne	Asp		GLu	Leu	Asn	GIu		G1u	
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	тте	гàг	ASP		туг	Asp	Asn	GIN		Asn	ser	GIY	тте		ьуs	Asp	
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	Pne	ттр		ASP	туг	Leu	GTII		ASP	гуѕ	Pro	туг		мес	Leu	ASŅ	
307	a+		240					245					250				010
						aaa											819
311	ьeu	255	кър	PIO	ASII	Lys	260	val	ASP	val	ASII	265	val	стА	тте	Arg	
	aa+		at~	t = 0	at a	aaa		000	oa+	~~+	+ <+		2+~	a c+	200	220	967
						Lys											867
315		- A -	MEL	1 Å T	пеu	275	GTÄ	FIO	vi A	ату	280	۷ат	rie L	TIIT	TIIT	285	
J 1 J	2/0					213					200					203	



VERIFICATION SUMMARY

DATE: 08/06/2001

PATENT APPLICATION: US/09/910,186

TIME: 15:39:05

Input Set : A:\A33626Aseqlist.txt

Output Set: N:\CRF3\08062001\I910186.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date